

### **The Benzidine Stain:**

14.6 ml acetic acid  
485.4 ml distilled H<sub>2</sub>O  
1 gram benzidine dihydrochloride

Mix above ingredients and keep in a foil covered container in fridge.

For the stain:

1 ml above mixture

Mix equal amounts above dilution with liquid volume of cells

Add 1 drop H<sub>2</sub>O<sub>2</sub> (2% = 5 ul/200 ul)

1-2 minutes RT

Blue staining visible on a hemocytometer = Hemoglobin

Do not wash cells before benzidine staining